within the region as well as across the regions with reliability, security and economy.

(c) The employees engaged in the transmission arid associated works who have exercised irrevocable option for their transfer from NEEPCO to NPTC have been transferred to NPTC.

(d) No, Sir.

Kachchh Tidal Power Project

2765. SHRI KRISHNA KUMAR BIRLA: Will the Minister of POWER AND NON-CONVENTIONAL ENERGY SOURCES be pleased to state:

(a) whether the Kachchh Tidal Power Project has been mooted and approved by Government; if so, when;

(b) what is the original estimate of the project and what is the schedule of its completion; and

(c) what is the present position of the project stating the reasons for delay in its being taking up and the estimated cost anticipated to rise by the time the project is taken up for implementation?

THE MINISTER OF STATE OF THE MINISTRY OF POWER AND NON-CONVENTIONAL ENERGY SOURCES (SHRI KALP NATH RAI): (a) The feasibility report for the Kachchh Tidal Power Project was first prepared in 1988. Subsequently, some additional investigations/studies were carried out and a supplementary feasibility report has been prepared in September, 1991. The project is to be posed by the national Hydro-electric Power Corporation for accord of techno-economic clearance by CEA.

(b) As per the original estimate given in the feasibility report in 1988, the cost of the project was estimated to be Rs. 1369.61 crores (including transmission system). The project was scheduled to be completed in 7 years from the date of commencement of work.

(c) The project proposal, based on the feasibility report prepared by Central Electricity Authority, is being processed by NHPC for being posed for accord of techno-economic clearance by CEA. Since this was the first project of its kind to be investigated in India, and the investigations/studies were complex in nature, these took a long time for completion. The latest estimated cost of the project is Rs. 2955.06 crores (including transmission system) at December, 1990 price level.

Power Shortage After Eighth Plan

2766. KUMARI CHANDRIKA PREMJI KENIA: Will the Minister of POWER AND NON-CONVENTIONAL ENERGY SOURCES be pleased to state:

(a) whether Government's attention has been drawn to the news item appearing in the Business and Political Observer of the 9th November, 1991, regarding continuance of power shortage even after the Eighth Plan; and

(b) if so, what remedial steps Government propose to take to overcome the difficulties in this regard?

THE MINISTER OF STATE OF THE MINISTRY OF POWER AND NON-CONVENTIONAL ENERGY SOURCES (SHRI KALP NATH RAI):

(a) Yes, Sir.

(b) Given the financial and other constraints, it would not be possible to totally eliminate power shortages by the end of the 8th Five Year Plan.

NumBer of Power Projects Approved for Uttar Pradesh

2767. SHRI RAM NARESH YADAV: Will the Minister of POWER AND NON-CONVENTIONAL ENERGY SOURCES be pleased to state:

(a) what is the number of power projects approved for Uttar Pradesh during last two years; and

(b) what aie the details thereof?

THE MINISTER OF STATE OF THE MINISTRY OF POWER AND NON-CONVENTIONAL ENERGY SOURCES (SHRI KALP NATH RAI): (a) and (b) Two schemes viz. Rajghat Hydro Electric Project (3 x 15MW) and combined Cycle gas turbine project (817 MW) at Dadri were approved by Government of India in the last two years to be set up in Uttar Pradesh. The former project is a joint venture of Uttar Pradesh and Madhya Pradesh, each state would have equal share in power generation while the later is a Central Sector Project being executed by NTPC.

Mobile Exhibition Vans to Popularise Nonz-conventional Energy Sources in Orissa

2768. SHRI SANTOSH KUMAR SAHU: Will the Minister of POWER AND NON-CONVENTIONAL ENERGY SOURCES be pleased to state:

(a) what are the details of steps contemplated to popularise Non-conventional sources of energy in Orissa;

(b) how these compare to the steps taken for the entire country, specially in the field of publicity through press exhibitions and publicity in Oriya language through Radio/TV seminars, etc.; and

(c) which are the places in the country where Mobile Exhibition Vans have been provided, or proposed to be provided and the details of steps taken to provide such a van in Orissa?

THE MINISTER OF STATE OF THE MINISTRY OF POWER AND NON-CONVENTIONAL .ENERGY SOURCES (SHRI KALPNATH RAI): (a) and (b) The Department of Non-Conventional Energy Sources extends financial and physical support to the Nodal Agencies in the States to popularise Non-Conventional Energy Sources in the country. For several programmes viz. National Programme of Biogas Development, National Programme of Improved Chulah, and Solar Thermal Systems, Solar Photovoltaic Systems, Wind Energy Projects, Urjagram Projects, Micro Hydel Projects etc. the DNES is extending financial incentives and various other fiscal concessions as well as loans through IREDA (Indian Renewable Energy Development Agency) for the installation and use of Non-Conventional Energy Sources' devices.

The position of installation of some of the major Non-conventional Energy Sources in Orissa upto 31.3.1991, is given as below:

S. No.	Name of the Programme	Position as on 31.3.1991 (Nos.)
1.	Family Type Biogas Plants	61,429
2.	Improved Chulhas	3,39,528
3.	Energy Plantation (Area in Ha.)	510
4.	Street Lighting (No. of villages)	478
5.	Wind Pumps	317
6.	Urjagram under implementation	8
7.	Solar Cookers	769

For publicity, the steps taken in regard to Orissa Renewable Energy Development Agency(OREDA) include participation in exhibitions, supply of video cassettes in Oriya and English languages, photographic blowups and write-ups, booklets, literature pamphlets, posters and supply of one mobile exhibition van to Orissa. During 1991 at the Department has helped organisation of two exhibitions in Orissa, and a video-spot on improved chulha and a Radio Jingle on Biogas are earmarked, for broadcast in Oriya language presently as part of the publicity programme through Radio.

(c) The Department have been inviting proposals from the nodal agencies for